		IN THE UNITED STATES PATENT AND TRADEMARK OFFICE				
In re pa	atent app	lication of				
Applica Serial N Filed: For: Art Un Examin	No.: it:	Joshua Goodman 10/766,348 January 28, 2004 EXPONENTIAL PRIORS FOR MAXIMUM ENTROPY MODELS 2857 Paul L. Kim				
		SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				
P.O. Bo	ox 1450	22313-1450				
Sir:						
except to	1. Pursuant to 37 C.F.R. §1.97 and §1.98, and in compliance with 37 C.F.R. §1.56, the Office's attention is directed to the patents, publications and other information listed on the attached PTO-1449. A copy of each listed document is enclosed except for: (a) pending applications; (b) those previously cited or submitted to the Office in the following application(s) upon which this application relies for an earlier filing date under 35 U.S.C. §120; and/or (c) U.S. Patent(s) and published applications(s).					
	Serial N Filing I					
Applica	int(s) beli	ocument, publication or other information for which a date is not given on the attached PTO-1449, leve(s) the same may qualify as "prior" art to this application and should be treated accordingly, although erve(s) the right to contest the prior art status of any document, publication or information, should issue arise.				
	tement as	ing each listed document that is not in the English language, an English-language translation accompanies indicated on the attached PTO-1449 or a concise explanation of the relevance of the document is set forth in cument(s):				
	(a) 🗌	Copy of each English language version of a search report indicating the degree of relevance found by the foreign office of each document being submitted from the search report.				
	(b) 🗌	Attachment entitled "Concise Explanation of Relevance of Non-English Language Documents".				
3.	Pursuar	at to 37 C.F.R. §1.97(b) this Statement is being filed (one must be checked):				
	(a) 🗌	Within 3 months of the filing date or date of entry into the National Stage.				
	(b) 🗌	Before the mailing date of a first Office Action on the merits. If this Statement is not filed before the mailing date of a first Office Action on the merits, the required certification is given below or, in the absence thereof, the Office is authorized to charge the required fee set forth in 37 C.F.R. §1.17(p) to Deposit Account No. 50-1063 for consideration of this Statement.				

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Before the mailing date of an Office Action after the filing of a request for continued examination under

	(d) 🖾		fter the period set forth in 37 C.F.R. §1.97(b) but before the mailing date of either a final action or a price of allowance.				
		(1)	The required certification is given below, or				
		(2)	Regarding the fee set forth in 37 C.F.R. §1.17(p) for consideration of this Statement:				
			(i) Enclosed is a check covering the fee;				
			(ii) Charge the fee set forth in 37 C.F.R. §1.17(p) to Deposit Account No. 50-1063; or				
			(iii) Enclosed is a credit card payment form covering the fee.				
	(e) 🗌	Petition	e mailing date of either a final action or a notice of allowance, but before payment of the issue fee. hereby is made for consideration of this Statement and the required certification is indicated below. ng the fee set forth in 37 C.F.R. §1.17(i)(1) for consideration of this Statement:				
		(1)	Enclosed is a check covering the fee;				
		(2)	Charge the fee set forth in 37 C.F.R. §1.17(i)(1) to Deposit Account No. 50-1063; or				
		(3)	Enclosed is a credit card payment form covering the fee.				
4.	Certifica	Certification (if applicable)					
	(a) 🗌	commu	dersigned hereby certifies that each item of information contained in this Statement was cited in a nication from a foreign patent office in a counterpart foreign application not more than 3 months the filing of this Statement.				
	(b) 🗌	knowled	dersigned hereby certifies that no item of information contained in this Statement was cited in a nication from a foreign patent office in a counterpart foreign application or, to the undersigned's after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) an 3 months prior to the filing of this Statement.				
5.	The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 50-1063.						
			Respectfully Submitted,				
			Himanshu S. Amin Reg. No. 40,894				
24 TH Flo 1900 Ea	ast 9 th Stre nd, Ohio	onal City eet	Center				

CERTIFICATE OF MAILING

I hereby certify that this correspondence (along with any paper referenced as being attached or enclosed) is being deposited on the below date with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450. Alexandria, VA 22313-1450.

8-405

Christina M. Padamonsky

2 6 2005 PTO/SB/08b (08-03)
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RADE Substitute for form 1449B/PTO Complete if Known Application Number SUPPLEMENTAL 10/766,348 INFORMATION DISCLOSURE Filing Date January 28, 2004 STATEMENT BY APPLICANT First Named Inventor Joshua Goodman Art Unit 2857 (Use as many sheets as necessary) Examiner Name Paul L. Kim Sheet 2 Attomey Docket Number MS302098.1/MSFTP537US

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
		M. BANKO and E. BRILL. Mitigating the Paucity of Data Problem: Exploring the Effect of Training Corpus Size on Classifier Performance for NLP. In Proc. of the Conference on Human Language Technology, 2001. 5 pages.			
*****************		A.L. BERGER, et al. A Maximum Entropy Approach to Natural Language Processing. Computational Linguistics, 22(1): 39-71, 1996.	**********		
		S.F. CHEN and R. ROSENFELD. A Survey of Smoothing Techniques for ME Models. IEEE Transactions on Speech and Audio Processing, Vol. 8 No. 1, Jan. 2000. 14 pages.	*********		
		S. DELLA PIETRA, et al. Inducing Features of Random Fields. IEEE Transactions on Pattern Analysis and Machine Intelligence, 19(4): 380-393, 1997.	*************		
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	*****************	C.M. KADIE, et al. CFW: A Collaborative Filtering System using Posteriors over Weights of Evidence. In Proc. of UAI, pp. 242-250, 2002.			
	***************************************	R. KNESER and H. NEY. Improved Backing-off for M-gram Language Modeling. In ICASSP, Vol. 1, pp. 181-184, 1995.			
		W. NEWMAN. An Extension to the Maximum Entropy Method. IEEE Transactions on Information Theory, Vol. IT-23, No. 1, January 1997. 5 pages.			
	····	J. DARROCH and D. RATCLIFF. Generalized Iterative Scaling for Log-linear Models. The Annals of Mathematical Statistics, 43: 1470-1480, 1972.			

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Examiner	Date	
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Substitut	te for form 1449/PTO			Complete if Known		
	PLEMENT			Application Number	10/766,348	
INFO	DRMATION	N DIS	CLOSURE	Filing Date	January 28, 2004	
STA	STATEMENT BY APPLICANT			First Named Inventor	Joshua Goodman	
	(Use as many sh	ooto aa m	oossand	Art Unit	2857	
	(Use as many sn	ieets as ne	cessary)	Examiner Name	Paul L. Kim	
Sheet	2	of	2	Attorney Docket Number	MS302098.1/MSFTP537US	

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		S.F. CHEN and J. GOODMAN. An Empirical Study of Smoothing Techniques for Language Modeling. Computer Speech and Language, 13: 359-394, October 1999.	
		A. RATNAPARKHI. Maximum Entropy Models for Natural Language Ambiguity Resolution. PhD Thesis, University of Pennsylvania, 1998. 163 pages.	
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		P.M. WILLIAMS. Bayesian Regularization and Pruning using a Laplace Prior. Neural Computation, Vol. 7, pp. 117-143, 1995.	
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